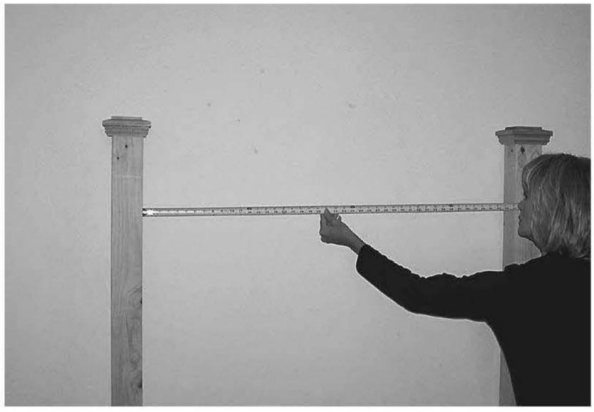
Railing Construction

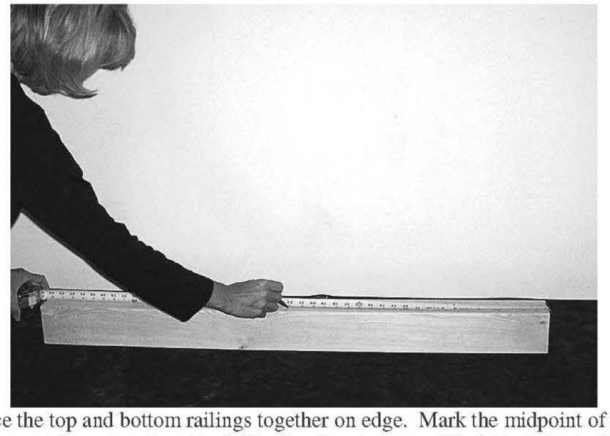
Choose the material for deck railing (wood or composite).

Step 1



Measure the distance between railing posts. Cut the top and bottom rails the length of the determined measurement.

Step 2



Place the top and bottom railings together on edge. Mark the midpoint of your measurement from step 1 on the 1½" side of each railing. Mark the baluster locations 4½" center along the railing which will allow 3¾" spacing between the balusters. Apply stain and finish on railings and posts.

Step 3

Install the baluster connectors on the top and bottom at the 4½" marks.

Step 4

Install bottom railing. Place a supporting block between your deck and bottom rail. Tap the balusters on to the connectors with a rubber mallet. The supporting block will help keep the bottom rail from shifting during baluster installation.

Step 5

Place the top railing on the balusters starting from one end and then tap the top railing down. Two people are recommended for this step.

Step 6

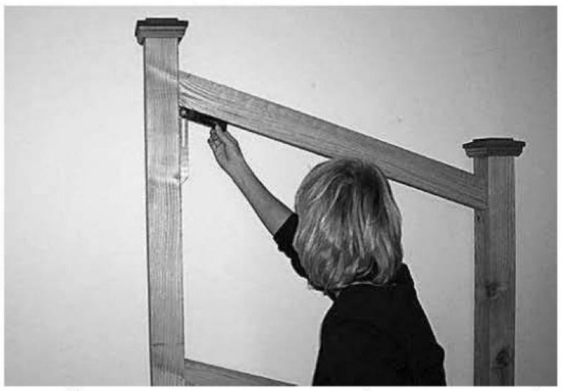
If the railings are difficult to bring together, use pipe clamps to draw the railings together.

Step 7

Install a centerpiece for an extra accent.
With sections over six foot we recommend fastening a supporting block between the deck and bottom railing in the middle of the railing. We recommend fastening a supporting block between the deck and the bottom railing on all composite railings, regardless of section length.

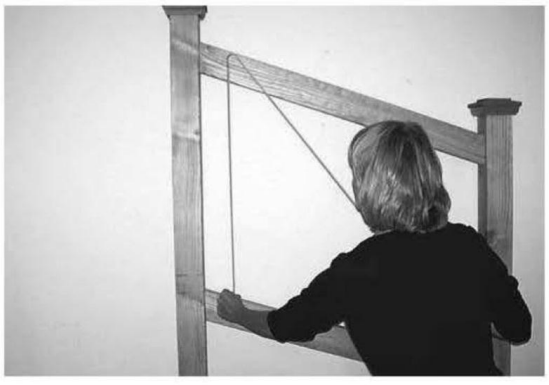
Stair Construction

Step 1



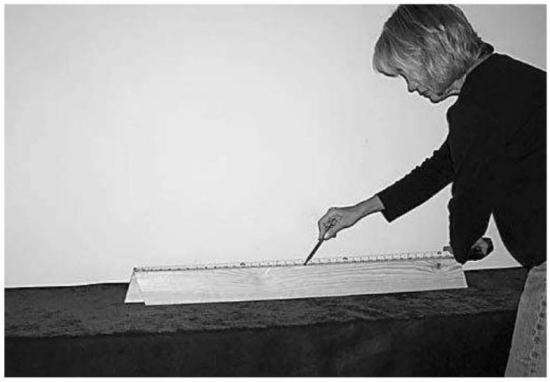
Install top and bottom railings to stair posts. With an angle gauge, determine the angle to cut the balusters.

Step 2



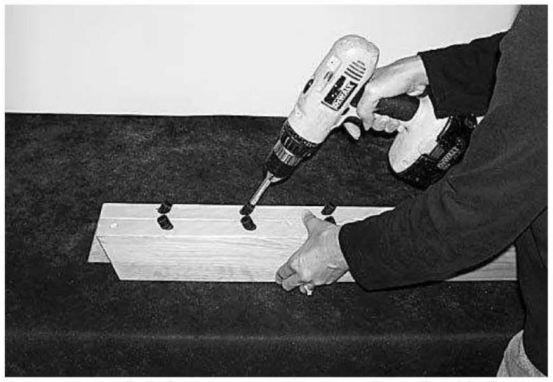
Measure the distance between the two railings.

Step 3



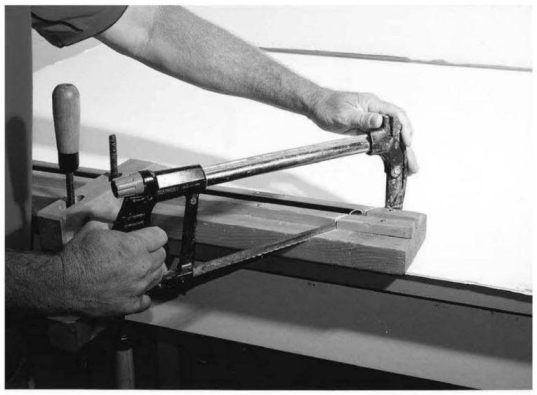
Remove the top and bottom railings and place them together. Mark the midpoint of each railing and place a mark every 5" on center the length of the railings. Apply stain and finish on your railings and posts.

Step 4



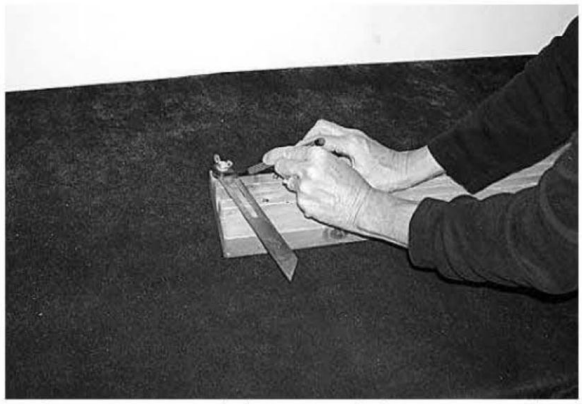
Install the angle baluster connectors on each mark with the supplied 1¼" stainless steel screws. Do not over tighten the screws.

Step 5



Make a jig by cutting two strips of wood $^{5}/_{8}$" depth and 36" long. Screw them ¾" apart on another board so the baluster fits snugly between the two strips.

Step 6



Using the angle gauge, mark the angle of the baluster measured in step 1 and then mark the other angle at the opposite end at the point measured in step 2.

Step 7

Clamp the baluster and the jig to a table. Cut the baluster at the point marked on the jig at both ends. Cut the remaining balusters for the section.

Step 8

Put the railings together as described for the straight railing above.